

# Notice of Allowability

Application No.

10/719,841

Examiner

Ernst V. Arnold

Applicant(s)

FARKAS, GABRIEL J.

Art Unit

1616

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to applicant's reply of 12/30/2005.
2. ☒ The allowed claim(s) is/are 5 [renumbered as 1].
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All b) ☐ Some\* c) ☐ None of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

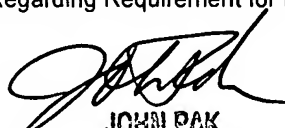
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

## Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

  
JOHN PAK  
PRIMARY EXAMINER  
GROUP 160

### EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment to the claims was given in a telephone interview with Gabriel Farkas on 03/01/2006.

Please delete the Abstract and insert therefor the following new Abstract:

---A chemical compound is disclosed herein for performing a complex enzymatic neutralization and fixation of formaldehyde, providing a method for instantaneous neutralization of formaldehyde vapors and offering a complete and rapid control of incidental releases, and a complete protection of workers against airborne formaldehyde during the course of their work. The compound includes alkanolamine, for instantaneous reaction with formaldehyde, and for absorbing hydrogen sulfide and carbon dioxide from the air, and a human protein, which reacts with airborne formaldehyde and forms the major enzyme involved in formaldehyde oxidation in oral mucosa. The compound also contains cyclodextrins for inclusion complexation of all the components of spent and/or unused aqueous formaldehyde solutions.---.

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Claim 5 (currently amended) A chemical composition for use in rapid detoxification of toxic formaldehyde vapors from incidental releases of unused or spent formaldehyde solutions of various concentrations or absorption of hydrogen sulfide from ambient air, comprising tris(hydroxymethyl)aminomethane, urea, beta-cyclodextrin and reduced glutathione.

Claim 6 (cancelled).

### **REASONS FOR ALLOWANCE**

The following is an examiner's statement of reasons for allowance: The closest prior art, US 5,837,159 and US 6,001,274, does not teach or suggest alone or in combination the instantly claimed composition for use in rapid detoxification of toxic formaldehyde vapors from incidental releases of unused or spent formaldehyde solutions of various concentrations or absorption of hydrogen sulfide from ambient air. US 5,837,159 teaches the combination of  $\beta$ -cyclodextrin, tris(hydroxymethyl)aminomethane, 2-amino-2-ethyl-1,3-propanediol and urea for the detoxification of toxic formaldehyde vapors and US 6,001,274 teaches  $\beta$ -cyclodextrin, tris(hydroxymethyl)aminomethane, 4-hydroxycoumarin and urea for the detoxification of toxic formaldehyde vapors. Neither disclosure either alone or in combination with any other prior art reference(s) suggests the addition of reduced glutathione to the composition.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably


accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ernst V. Arnold whose telephone number is 571-272-8509. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sreeni Padmanabhan can be reached on 571-272-0629. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

EVA



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